

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Matt King

GENERAL INFORMATION:

Name:	Canton Cooperage, Inc
Address:	365 S. Woodland Ave. Lebanon, Kentucky 40033
Date application received:	November 6, 2003
SIC/Source description:	2449/Cooperage
EIS #:	21-155-00035
Application log number:	56588
Permit number:	F-04-023

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__X Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀		36/21
SO ₂		0.15
NO _x		2.89
CO		90
VOC		80*

* Although the permit limit is 90 tons/year the fuel throughput limit placed on the barrel toasting operation limits CO to 90 and VOC to 80 tons/year.

SOURCE PROCESS DESCRIPTION:

Canton Cooperage produces charred wood barrels and chips for the wine industry. Various wood working equipment is used to produce barrel staves and wood chips. A natural gas boiler provides process heat. Wood is used to directly char the barrels while a natural gas rotary drum is used to toast the chips.

EMISSION AND OPERATING CAPS DESCRIPTION:

The previous permit for the source (S-03-131 issued on December 24, 2003) contained an hourly throughput limit on COMB02 (barrel toasting) to meet the PM emission limit set by 401 KAR 59:010, New process operations. After testing provided a lower emission factor the throughput limit was removed. This caused the potential to emit to increase above 100 tons per year for CO and VOC. Therefore, a conditional major permit is being issued. This permit will place a 700 ton per year throughput limit on the unit.